

**AMENDMENTS TO THE CLAIMS**

**1-8. (Cancelled)**

**9. (Previously Presented)** An isolated polynucleotide comprising the sequence of SEQ ID NO: 1, said polynucleotide encodes a secretory or membrane-binding chimeric protein composed of an energy-generating protein and an energy-receiving protein linked to one another wherein energy transfer can arise between the energy-generating protein and the energy-receiving protein, wherein the chimeric protein is composed of *Vargula* luciferase and YFP.

**10. (Original)** A vector comprising the polynucleotide according to claim 9.

**11. (Original)** A transformant transformed with the vector according to claim 10.

**12. (Original)** A method for producing a secretory or membrane-binding chimeric protein comprising culturing the transformant of claim 11 in a medium, and collecting the secretory or membrane-binding chimeric protein from the medium.

**13-17. (Cancelled)**

**18. (Previously Presented)** An isolated polynucleotide encoding a chimeric protein comprising the sequence of SEQ ID NO: 1.

**19. (Cancelled)**